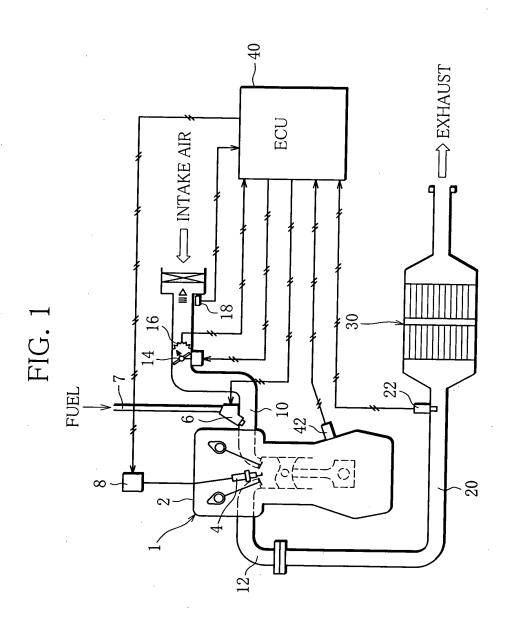
App No.: NEW Docket No.: 1131-0543PUS1 Inventor: Yasuki TAMURA et al.

Title: EXHAUST PURIFICATION DEVICE FOR INTERNAL COMBUSUTION ENGINE

**NEW SHEET** 

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FIG. 2

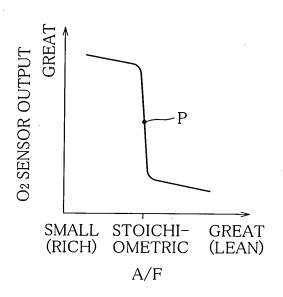
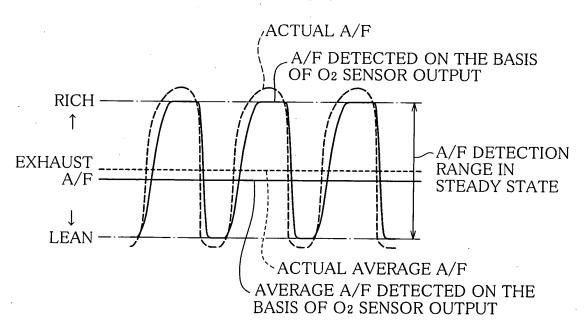


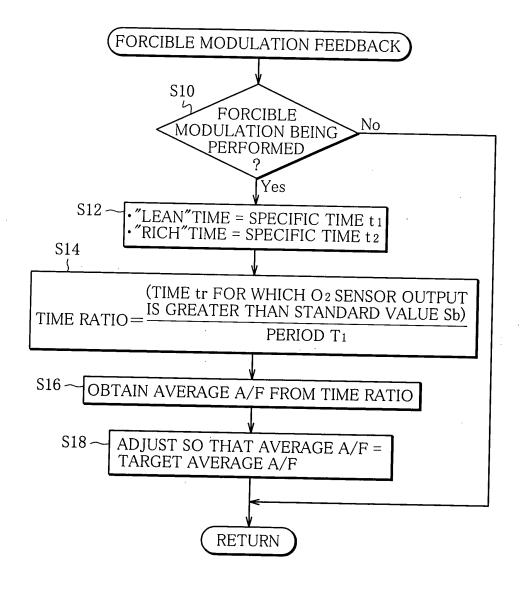
FIG. 3



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FIG. 4



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FIG. 5

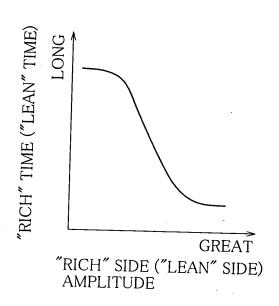
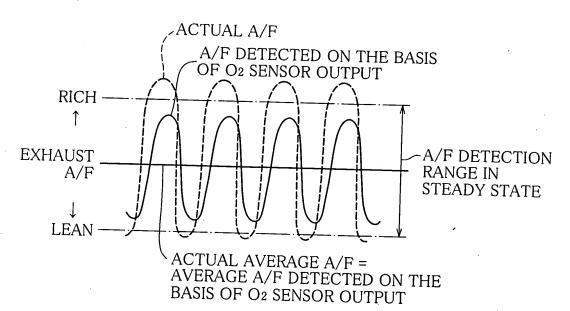


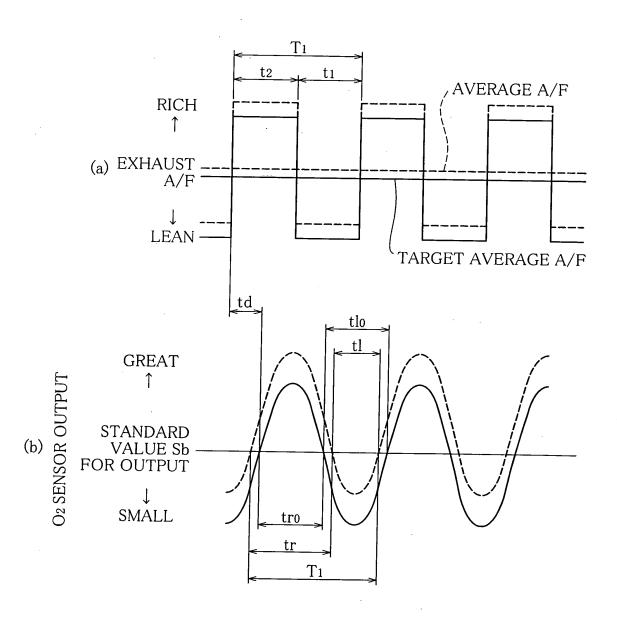
FIG. 6



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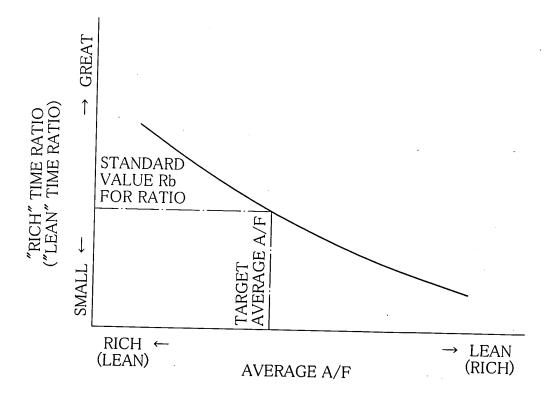
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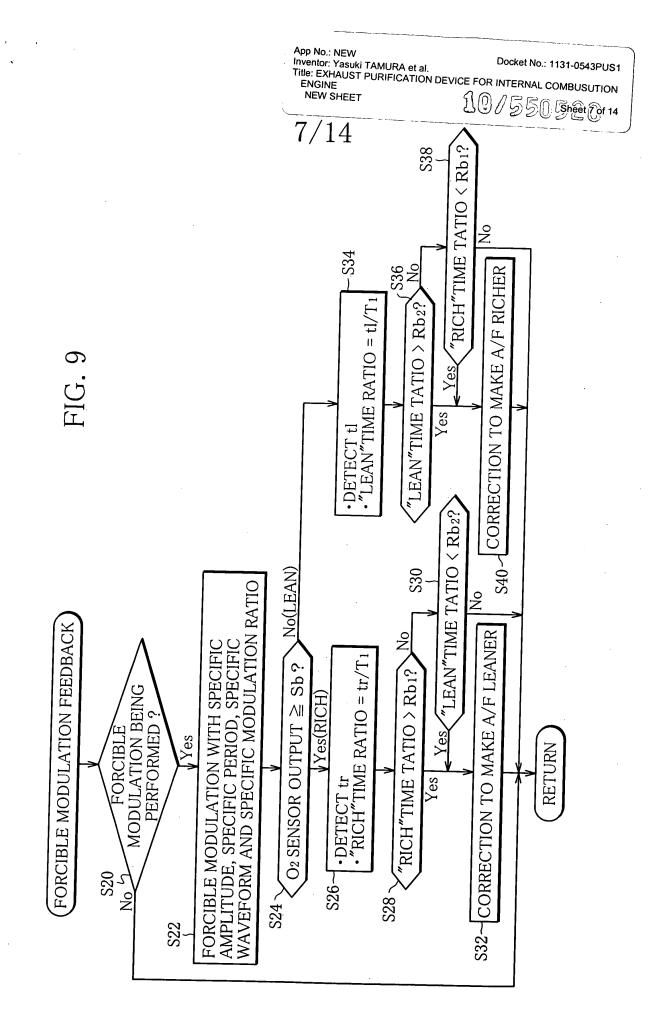
FIG. 7

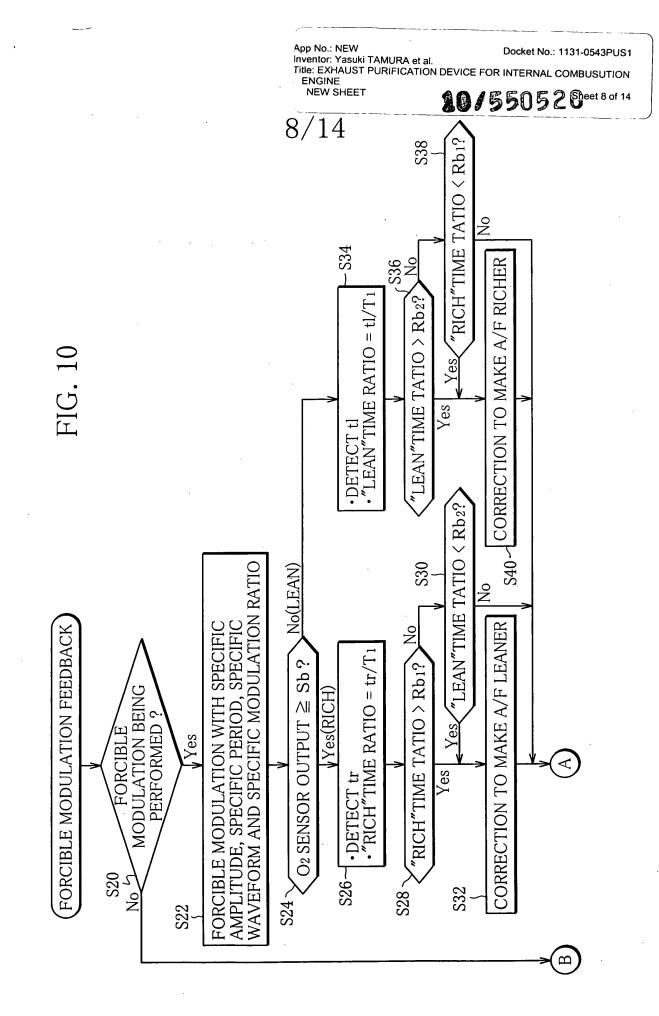


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NEW SHEET

FIG. 8

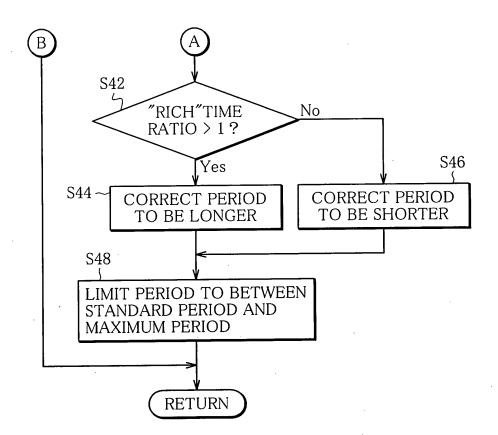






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Title: EXHAUST PURIFICATION DEVICE FOR INTERNAL COMBUSUTION ENGINE NEW SHEET Specific Docket No.: 1131-0543PUS1

FIG. 11



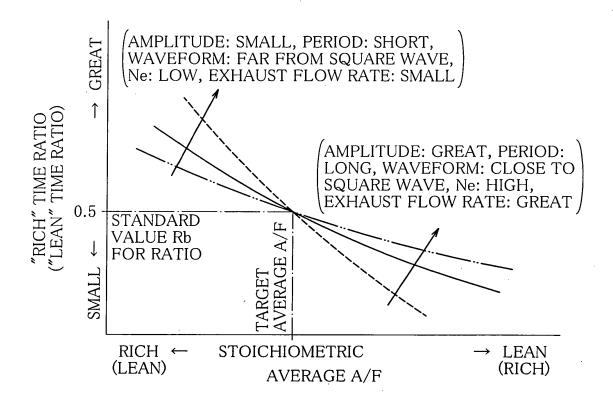
Docket No.: 1131-0543PUS1 App No.: NEW

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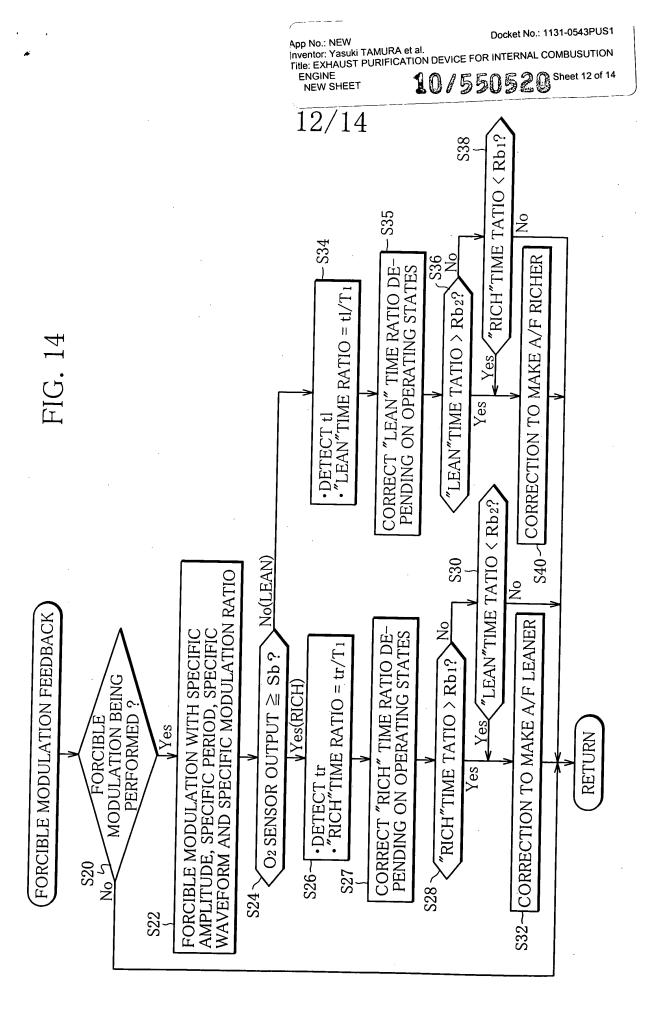
FIG. 12



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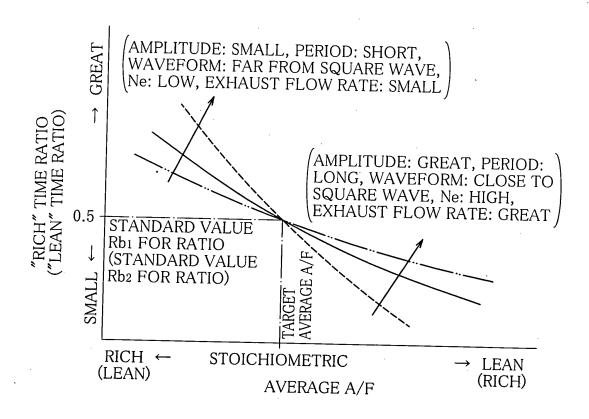
Title: EXHAUST PURIFICATION DEVICE FOR INTERNAL COMBUSUTION Docket No.: 1131-0543PUS1 NEW SHEET 10/550520 Sheet 11 of 14 11/14FIG. 13 (FORCIBLE MODULATION FEEDBACK S10 FORCIBLE No MODULATION BEING PERFORMED? Yes S13~ FORCIBLE MODULATION WITH SPECIFIC AMPLITUDE, SPECIFIC PERIOD, SPECIFIC WAVEFORM AND SPECIFIC MODULATION RATIO S14 (TIME tr FOR WHICH O2 SENSOR OUTPUT IS GREATER THAN STANDARD VALUE Sb) TIME RATIO= PERIOD T<sub>1</sub> S142-TIME RATIO > Rb? S150 Yes Yes (ALMOST S144 ÁCTUAL Ne≦ (LOWER) EQUAL) (ALMOST No STANDARD Ne EQUAL) ACTUAL Ne≧ (LOWER) STANDARD Ne No(HIGHER) Yes(HIGHER) S146 CORRECT TIME RATIO TO INCREASED VALUE CORRECT TIME RATIO -S148 TO DECREASED VALUE −S16 OBTAIN AVERAGE A/F FROM TIME RATIO ADJUST SO THAT AVERAGE -S18 A/F = TARGET AVERAGE A/F

**RETURN** 



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FIG. 15



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FIG. 16

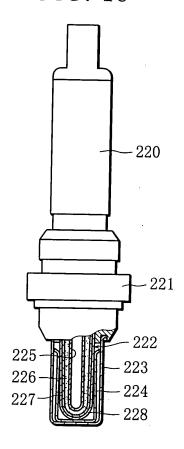


FIG. 17

